OXC 5659 Copy Z of Z

18 September 1963

HEMORANDUM FOR: Assistant Director, OSA

SUBJECT:

Arc-50

25X1A	briefed the staff 5 September on visual aids intended to assist us in training pilots and maintenance personnel as well as other administrative personnel interested in the status of equipment. As a result of this briefing and the subsequent discussions, it	
25X1A	is my opinion that as presently developed is totally unsatisfactory for use in the OXCART vehicle.	
25X1A	2. It was surprising to learn that the specifications provided to	25X1A
	and the following forty seconds allows synchronization at which time he gets a one-time azimuth and one-time range reading obtain the next reading of azimuth this same sequence must be followed. I now get the picture of a receiver running at for second intervals attempting to locate a tanker or an aircraft on a landing approach running a forty second intervals.	on, ch To

3. This subject had been previously discussed with

Operations Staff who have also coordinated
with , and sent in recommendations for modifications
which would make the equipment satisfactory for their need. The
purpose of this memorandum is a preliminary advisory as to the
unacceptability of the equipment presently designed and to indicate my non-concurrence with the requirements as stated by

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4. New requirements provide were generally as follows:	d toinformally 25	5X1/
s. Equipment must provi- voice transmissions simultan- presentations.	de the capability to provide sously with range and azimuth	
b. A maximum of a four animuth information is generably beyond 150 mautical miles.	second delay in range and ally acceptable at ranges	
c. A two second delay is sentation is acceptable between 156 nautical miles.	n range and asimuth pre- een 100 nautical miles and	
d. A continuous range as required at all ranges less	nd animuth display is than 100 nautical miles.	
e. The response to inter in those areas where delays	rrogation must be automatic are mandatory.	
of procedures, I have requested the equipment in a F-101 be investigate of its feasibility and cost. This to conduct uninterrupted test and the landing phase. 5. This entire subject has I Parangosky and he has generally con	ed, and that we be advised vehicle will enable 25 training, particularly in been discussed with Wr. John	5X1 <i>A</i>
	25X1A	•
Deputy i	for Field Activities, OSA	
ce: D/TECH/OSA		
25X1A		
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